AUTODOC CLUB

How to change front anti roll bar links on **Mercedes W211** – replacement guide

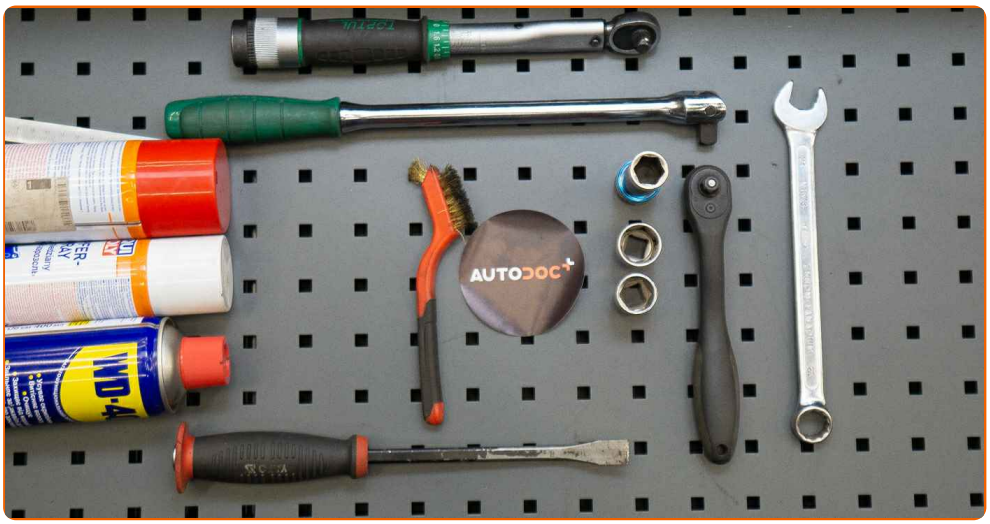
VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
MERCEDES-BENZ E-Class Saloon (W211) E 320 (211.065), MERCEDES-BENZ E-Class Saloon (W211) E 500 (211.070), MERCEDES-BENZ E-Class Saloon (W211) E 240 (211.061), MERCEDES-BENZ E-Class Saloon (W211) E 270 CDI (211.016), MERCEDES-BENZ E-Class T-modell (S211) E 240 T (211.261), MERCEDES-BENZ E-Class T-modell (S211) E 320 T (211.265), MERCEDES-BENZ E-Class Saloon (W211) E 200 CDI (211.004), MERCEDES-BENZ E-Class Saloon (W211) E 55 AMG Kompressor (211.076), MERCEDES-BENZ E-Class Saloon (W211) E 200 Kompressor (211.042), MERCEDES-BENZ E-Class Saloon (W211) E 320 CDI (211.026), MERCEDES-BENZ E-Class T-modell (S211) E 200 T Kompressor (211.242), MERCEDES-BENZ E-Class T-modell (S211) E 220 T CDI (211.206, 211.606), MERCEDES-BENZ E-Class T-modell (S211) E 270 T CDI (211.216), MERCEDES-BENZ E-Class T-modell (S211) E 320 T CDI (211.226), MERCEDES-BENZ E-Class Saloon (W211) E 400 CDI (211.028), (+ 41)

The steps may slightly vary depending on the car design.

REPLACEMENT: ANTI ROLL BAR LINKS – MERCEDES W211. TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Drive socket # 21
- Drive socket # 22
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Crow bar
- Tap wrench
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: anti roll bar links – Mercedes W211. AUTODOC recommends:

- Replace the stabiliser links on Mercedes W211 in pairs.
- The replacement procedure is identical for both stabiliser links on the same axle.
- All work should be done with the engine stopped.

REPLACEMENT: ANTI ROLL BAR LINKS – MERCEDES W211. USE THE FOLLOWING PROCEDURE:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.

3 Raise the front of the car and secure on supports.

4 Unscrew the wheel bolts.

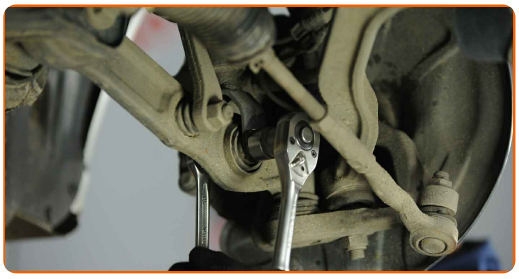
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Mercedes W211

5 Remove the wheel.

6 Clean the fastening bolt that connects the shock absorber fork with the lower control arm. Use a wire brush. Use WD-40 spray.

7 Unscrew the fastening bolt that connects the shock absorber fork with the lower control arm. Use a combination spanner #18. Use a drive socket #22. Use a ratchet wrench.

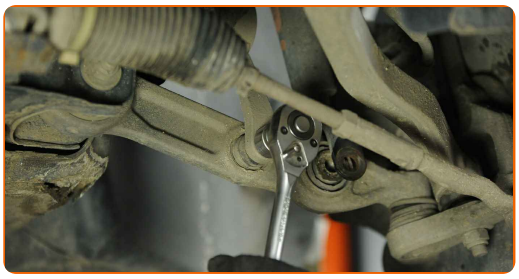


8 Remove the fastening bolt.

9 Detach the bottom part of the shock strut.

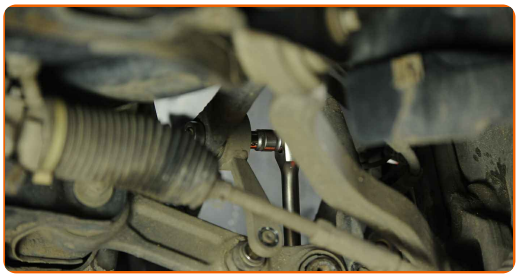
10 Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.

11 Unscrew the fastener connecting the stabilizer link to the control arm. Use a drive socket #21. Use a ratchet wrench.



12 Take out the stabiliser link fastener. Use a crowbar.

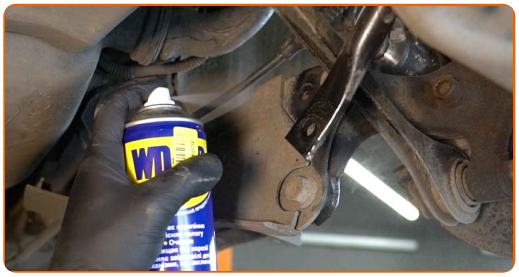
13 Unscrew the fastener connecting the stabilizer link to the stabilizer bar. Use a drive socket #21. Use a tap wrench.



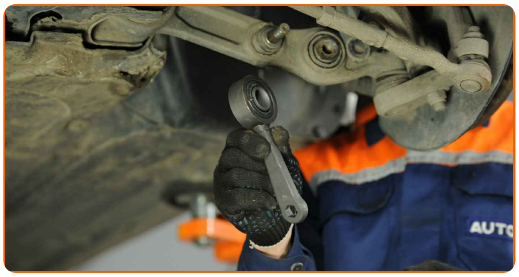
14 Remove the fastening bolt.

15 Remove the stabilizer rod.

16 Clean the mounting seats of the stabiliser link. Use a wire brush. Use WD-40 spray.



17 Install the transverse stabilizer link.



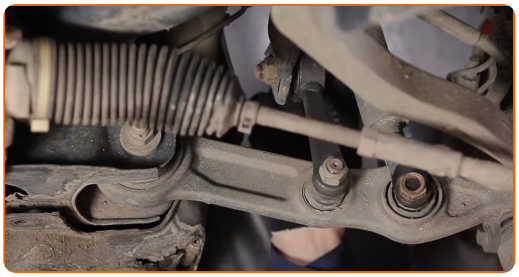
18 Install the fastening bolt.

19 Install the rod fastening to the stabilizer and tighten it. Use a crowbar. Use a drive socket #21. Use a torque wrench. Tighten it to 130 Nm torque.

20 Tighten the stabiliser link fastener. Use a drive socket #21. Use a ratchet wrench.

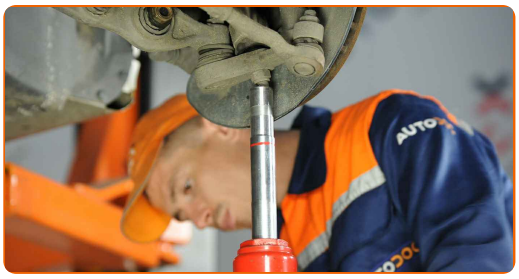
21 Attach the bottom part of the shock strut. Use a crowbar.

22 Install the fastening bolt.



23 Screw in the fasteners connecting the suspension strut fork to the lower control arm. Use a combination spanner #18. Use a drive socket #22. Use a ratchet wrench.

24 Prop up the steering knuckle. Use a hydraulic transmission jack.



25 Tighten the fastening bolt that connects the shock absorber fork to the lower control arm. Use a combination spanner #18. Use a drive socket #22. Use a torque wrench. Tighten it to 165 Nm torque.

26 Tighten the fastener connecting the stabilizer link to the stabilizer bar. Use a drive socket #21. Use a torque wrench. Tighten it to 130 Nm torque.

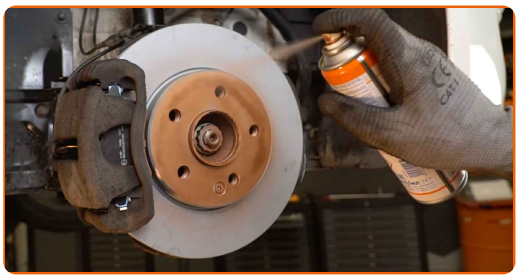
27 Remove the support from under the steering knuckle.

Replacement: anti roll bar links – Mercedes W211. Tip from AUTODOC experts:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

28 Treat all joints of the stabiliser link. Use copper grease.

29 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



30 Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: anti roll bar links – Mercedes W211. After applying the spray, wait a few minutes.

31 Install the wheel.

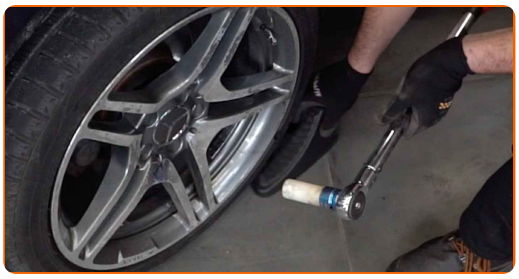
Replacement: anti roll bar links – Mercedes W211. Tip:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

32 Screw in the wheel bolts. Use wheel impact socket #17.

33 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.

34 Remove the jacks and chocks.



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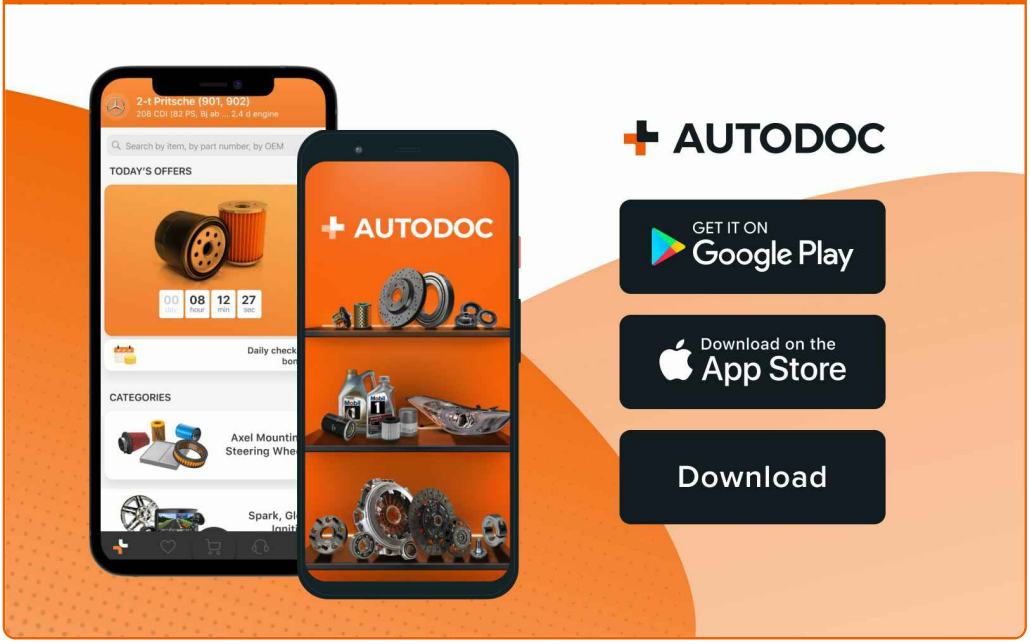

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